

NCDOT Prioritization 3.0 Project Summary

SPOT ID: H141680 Mode: Highway Status: Submitted

NC-46

From/Cross Street: Virginia State Line

Specific Improvement Type: 16 - Modernize Roadway

To: NC 48 in Gaston

Project Category: Regional Impact

Length: 10.41

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$8,587,000

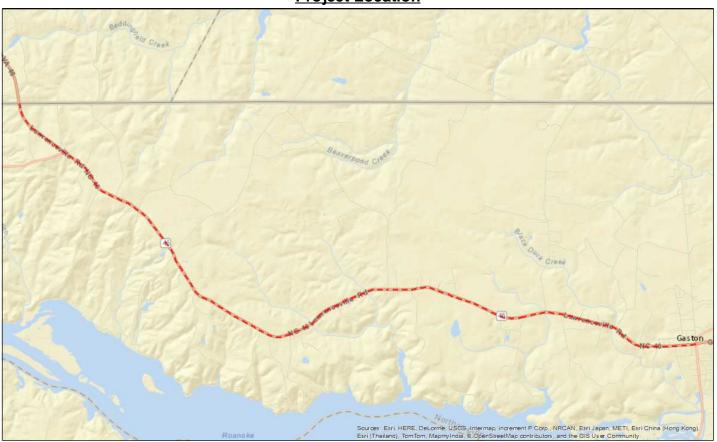
Description:

Currently a 2-lane major thoroughfare from the Virginia State Line to NC 48 (TIP#U-2419), this project recommends to upgrade the existing facility to 24 feet w/ paved shoulders; while modifying sharp horizontal curves. This would provide safer maneuvering in a 12-foot lane; while tying in bike lane recommendations.

Division(s): Division 1 **County(s):** NORTHAMPTON

MPOS(s)/RPO(s): Peanut Belt RPO

Project Location



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Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
	N/A	N/A
Totals: Weight: 0% Weighted Score: 0		

Regional Impact Total Score: 42.09

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (15%) Lane Width (10%) [Paved] Shoulder Width (10%) [Travel Time] Benefit/Cost (20%) Congestion (V/C) (15%)	48.36 25.00 0.00 0.00 15.58	Percent: 15% Points: 100	Percent: 15% Points: 100
Totals: Weight: 70% Weighted Scor	e: 12.09		

Division Needs Total Score: 33.89

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (10%) Safety (10%) Lane Width (10%) [Paved] Shoulder Width (10%) [Travel Time] Benefit/Cost (10%) Totals: Weight: 50% Weighted Score	15.58 48.36 25.00 0.00 0.00	Percent: 25% Points: 100	Percent: 25% Points: 0

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Project Data *

Existing Conditions

Existing Cross-Section: Speed Limit: 55 Length (miles); 10.41 Two Lane Highway Facility Type: None Access Control: Functional Classification: Minor Arterial Rolling Terrain Type: Lane Width: 11 Paved Shoulder Width: 2 Roadway has Curb & Gutter? No Volume (AADT): 3648.57 15500 Capacity: Volume/Capacity Ratio: 0.24 % Autos: 94% % Trucks: 6% Truck Volume: 221.67 52.55 Crash Density: Crash Severity: 46.36 Critical Crash Rate: 46.17 0 Crash Frequency: 0 Severity Index: County Tier Designation: Non-Interstate STRAHNET No Route? Average Commuting Time: 27 Existing Median Type (for Undivided Cost Estimation): Pavement Condition Rating: 95 Actual Congested Speed: 49.08 Travel Time Index: 1.12

Project Benefits

Froject Deficits		
Project Cross-Section:	3A - 2 Lane with Two War Left Turn Lane, and Pave Shoulders	
Speed Limit:	55	
Length (miles):	10.41	
Facility Type:	Two Lane Highway	
Access Control:	None	
Functional Classification:	Minor Arterial	
TerrainType:	Rolling	
DOT Design Lane Width:	12	
DOT Design Paved Shoulder Width:	0	
Travel Time Savings for 30 Years (Total):	0	
Travel Time Savings for 30 Years (Autos):	0	
Travel Time Savings for 30 Years (Trucks):	0	
Long-Term Employment:		
% Change in Economy:		
Provides Direct Connection to Transportation Terminal?	No	
Does project upgrade how the roadway functions?	No	
In CTP or LRTP?	Yes	
CTP/LRTP Name:	Northampton County Comprehensive Transportation Plan	
CTP/LRTP Completion Year:	2012	
Submitted by:	Peanut Belt RPO	

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^{*} Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

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Project Ownership

Division

Division	Percent	Regional Impact	Division Needs
Division 1	100%	100	100
	0%	0	0
	0%	0	0
TOTAL Division Points		100	100

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Peanut Belt RPO	100%	100	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	0

Project Cost and Source

Construction Cost:	\$8,587,000	Cost Estimation Tool
Right-of-Way Cost:	\$0	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$8,587,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$8,587,000	

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